

# Express Mail No.: EL 500 576 834 US

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Chung et al.

Confirmation No.: 9987

Application No.: 40/070,350

10/069 586

Group Art Unit: To be assigned

Filed: February 27, 2002

Examiner: To be assigned

For:

OSTEONECTIN BASED TOXIC

GENE THERAPY FOR THE TREATMENT OF CALCIFIED **TUMORS AND TISSUES** 

Attornev Docket No.: 9426-023

## TRANSMITTAL OF SEQUENCE LISTING UNDER 37 C.F.R. § 1.821

**Assistant Commissioner for Patents** Washington, DC 20231

Sir:

In accordance with 37 C.F.R. § 1.821, and in response to Notice to File Missing Requirements, Applicants submit herewith a Sequence Listing in paper and computer readable form pursuant to 37 C.F.R. §§ 1.821(c) and (e).

I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted herewith are the same. I hereby state that the submission herein under 37 C.F. R. § 1.821(g) does not include new matter.

Respectfully submitted,

Dated: November 14, 2002\_

PENNIE & EDMONDS LLP

1155 Avenue of the Americas New York, New York 10036-2711

(212) 790-9090

# NOV 1 4 2002

### SEQUENCE LISTING

Koeneman, Kenneth S. Yeung, Fan <121> OSTEONECTIM BASED TOMIC GENE THERAPY FOR THE TREATMENT OF CALCIFIED TUMURS AND TISSUES K135% 9426-123-999 <140> 10/070,380 <141> 2001-02-27 <180> US 60/136,440 K151> 1999-05-28 k160> 12 <170> FastSE0 for Windows Version 4.0 +210> 1 (211: 2313 <del>-</del>212> DNA .213> Humb sapiens \*400> 1 gaattootig taottittit occitotoag tiotgoactt aactogtota aaaaaattaa 1..0 aaaagaattt aagaaaccac aaagctaags tgggtgeggt ggsteaegss tgtaatseta goadtttggg aagssaagge attoggattg occaagetea ggagttogag accagestgg 1:0 243 goaacatqtt qaaaccccat ttotactaaa aatacaataa attagctggg tgttgtjgca tgtgogootg taatoocago taototggag gotgaggogo gataattgot rgaacooggg 300 aggoagaggt tgcagtgago cgaaatcata coactgcact coagcotggg cgacagagtg 550 4.0 адтрарасто тртотовава свазасвяза свазовавов зазаваесору завосявсях 4 - 0 aabtttttga ggaabaaagg gaabbaggta ttttattaat totbatabot obagagtgtt aggoacaaaa taaabattoa abbaagabbt gttgbabtga gbagttoata tataabagga  $\Xi_{i}, \Xi_{i} \subseteq$ gtigaccoaag tigaaacgta gaatbagcoo totoatabca ottottgoba ggtgatbata. ggoaagttad tragoatota tgtttdotta ttattaaaaat ggtdataatt abaatgootaagataagggg gttgctgtga agattattaa atcotoagta äästttggst attgctasts ctatgattat datcaatato atcaattaco ttatotgtto aatactggtg goadaggtoo accagotaga tytotaatoo ottatytyto tattaytyyt acaagtygag tityaytyyy attititit tittittaa gassagtiss aaatsatsaa ggatgatass astagtagsa -1 · 1 gottgtottg totgtabagt ggtaagtoot ggoottgoot tigiggdaaa tadaadoodd 46 10...1 ttgaattgot tggooottot dagoattgoo taatattagg gaggactoot gtaaagotoa 10: organização garda agada orrigaçãos grantes de tagada de agada de agada articomo de agada agada de agada articomo de agada agada de agada a ottssagtot obaggootba ottgoobtot gaabaagaaa gaggootgit otggtbatbo 1:41 stecagootg topagootg geadtotgtg agtoggttta ggcagoagoc coggaacaga 1.. 0 tgaggoaggo agggttggga ogtttggtoa ggabagobba bogbaaaaag aggaggaaag aaatgaaaga bagagabago tiiggotatg ggagaaggag gaggoogggg gaaggaggag 1380 acaggaggag gagggabbab ggggtggagg ggagatagab bbagbbbaga gbtbtgagtg guttectgut gootgustot aaaoosstos abautooogo ggudoutoag actgossgga 1441 gagogogóto igosigosgo otgostycot gosastgagg tatgigigas soccyssoay 1500 1560 potttodott otatagitigo accaacoccy acabeccegt teasgeogic agetegigig caagggaggg aagetotget gaggatgoge eteteetoke ggetéealea eggetéeét 160.0 1650 1740 taagagcatg goodtoggto otgtotgoot gttgotttto agaaggtgga otcastgtgt aactitgtot tooottacag gittacagga aaataatoto astatgitot togggggago 1800 anninglade teretytett tetetytyte tyretetygyt ticagaddet geetysetyt cototttgot costttgoaa atgtggsago stostesttt ostgggaats tgatoscate 1460 1020 acagetgopa cagggasetg gedagdaade ggagtetgte etebagatet eggteagggg 1980 ttotgtttto paaaaaggga otttgcagaa paatpagttg atototgaaa gggaaagggg gaggottoad cattaatoba cacototoggo aagottotot tittoototaa itotootoad

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